

PATENT
Docket No.: 57909/428

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Briles et al.)	Examiner:
)	N. Minnifield
Serial No. :	09/298,523)	
)	Art Unit:
Cnfrm. No. :	2114)	1645
)	
Filed :	April 23, 1999)	
)	
For :	PNEUMOCOCCAL SURFACE PROTEIN C (PspC),)	
	EPITOPIC REGIONS AND STRAIN SELECTION)	
	THEREOF, AND USES THEREFOR)	

STATEMENT IN ACCORDANCE WITH 37 C.F.R. § 1.825(a)-(b)

Mail Stop

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. § 1.825(a)-(b), applicants hereby submit a substitute Sequence Listing (75 pages) on paper and on a computer readable 3.5" Diskette. Applicants hereby state that the substitute Sequence Listing is being submitted to correct typographical errors discovered in SEQ ID NOs: 12 and 13 of the sequence listing, filed March 7, 2001. Applicants hereby state that the amendments included in the substitute Sequence Listing are supported by Figures 2A-D (copies enclosed) of the application, as filed. Applicants submit that the contents of the substitute paper copy and the computer readable form are the same. This submission contains no new matter.

Respectfully submitted,

Dated: June 1, 2004

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Registration No. 30,727

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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June 2, 2004 Ruth R. Smith
Date Ruth R. Smith



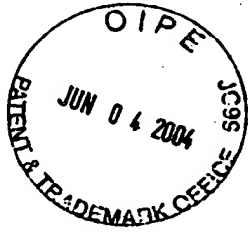
JUN 8 2004

TECH CENTER 160072900

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EF6796	MFASKSERKVVHYS	IRKFS	GVASVAVASFLGG	GVVHA	EGVR	---	SGNNLTVTSSGGQDI
BG9163	MFASKSERKVVHYS	IRKFS	GVASVAVASFLGG	GVVHA	EGVR	---	SGNNLTVTSSGGQDI
E134	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
D39	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
cbpA	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
c3bp	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
spsA2	MFASKSERKVVHYS	IRKFS	GVASVAVASFLGG	GVVHA	EGVR	---	SGNNLTVTSSGGQDI
DBL6A	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
BG8090	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
spsA47	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
spsA1	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
L81905	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA
pspV.tigr	MFASKSERKVVHYS	IRKFS	GVASVAVASLVMSG	SVVHA	TENEG	ISTQVAT	SYNKA

EF6796
BG9163
E134
D39
c3dpA
c3bp
spsA2
DBL6A
BG8090
spsA47
spsA1
L81905
nspV.tigr

[illegible]



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FIG.2C

	430	440	450	460	470	480	490	
EF6796	LTSKTKAELTAAFEQF	KKIP	KKVAEAEKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
BG9163	LTSKTKAELTAAFEQF	KKIP	KKVAEAEKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
E134	LTSKTKAELTAAFEQF	KKIP	KKVAEAEKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
D39	---	---	---	---	---	---	---	
cbpA	---	---	---	---	---	---	---	
c3bp	---	---	---	---	---	---	---	
spsA2	---	---	---	---	---	---	---	
DBL6A	---	---	---	---	---	---	---	
BG8090	---	---	---	---	---	---	---	
spsA47	---	---	---	---	---	---	---	
spsA1	---	---	---	---	---	---	---	
L81905	---	---	---	---	---	---	---	
pspV.tigr	---	---	---	---	---	---	---	
	430	440	450	460	470	480	490	
EF6796	VKEAELELVKEEA	NEESRN	EKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
BG9163	VKEAELELVKEEA	NEESRN	EKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
E134	VKEAELELVKEEA	NEESRN	EKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
D39	---	---	---	---	---	---	---	
cbpA	---	---	---	---	---	---	---	
c3bp	---	---	---	---	---	---	---	
spsA2	---	---	---	---	---	---	---	
DBL6A	---	---	---	---	---	---	---	
BG8090	---	---	---	---	---	---	---	
spsA47	---	---	---	---	---	---	---	
spsA1	---	---	---	---	---	---	---	
L81905	---	---	---	---	---	---	---	
pspV.tigr	---	---	---	---	---	---	---	
	500	510	520	530	540	550	560	
EF6796	VKEAELELVKEEA	NEESRN	EKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
BG9163	VKEAELELVKEEA	NEESRN	EKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
E134	VKEAELELVKEEA	NEESRN	EKKVVEEA	KKAKDQKEEDRRN	YPTNTYK	TTLE	IAESDVK	
D39	---	---	---	---	---	---	---	
cbpA	---	---	---	---	---	---	---	
c3bp	---	---	---	---	---	---	---	
spsA2	---	---	---	---	---	---	---	
DBL6A	---	---	---	---	---	---	---	
BG8090	---	---	---	---	---	---	---	
spsA47	---	---	---	---	---	---	---	
spsA1	---	---	---	---	---	---	---	
L81905	---	---	---	---	---	---	---	
pspV.tigr	---	---	---	---	---	---	---	
	570	580	590	600	610	620	630	
EF6796	VDAEEYALEAKIAE	LEYEVQRLEKEL	KEIDESDSE	YLKEGLRAPLQSK	LDTKKAKLSK	LEELSDKIDEL		
BG9163	VDAEEYALEAKIAE	LEYEVQRLEKEL	KEIDESDSE	YLKEGLRAPLQSK	LDTKKAKLSK	LEELSDKIDEL		
E134	VDAEEYALEAKIAE	LEYEVQRLEKEL	KEIDESDSE	YLKEGLRAPLQSK	LDTKKAKLSK	LEELSDKIDEL		
D39	---	---	---	---	---	---	---	
cbpA	---	---	---	---	---	---	---	
c3bp	---	---	---	---	---	---	---	
spsA2	---	---	---	---	---	---	---	
DBL6A	---	---	---	---	---	---	---	
BG8090	---	---	---	---	---	---	---	
spsA47	---	---	---	---	---	---	---	
spsA1	---	---	---	---	---	---	---	
L81905	---	---	---	---	---	---	---	
pspV.tigr	---	---	---	---	---	---	---	



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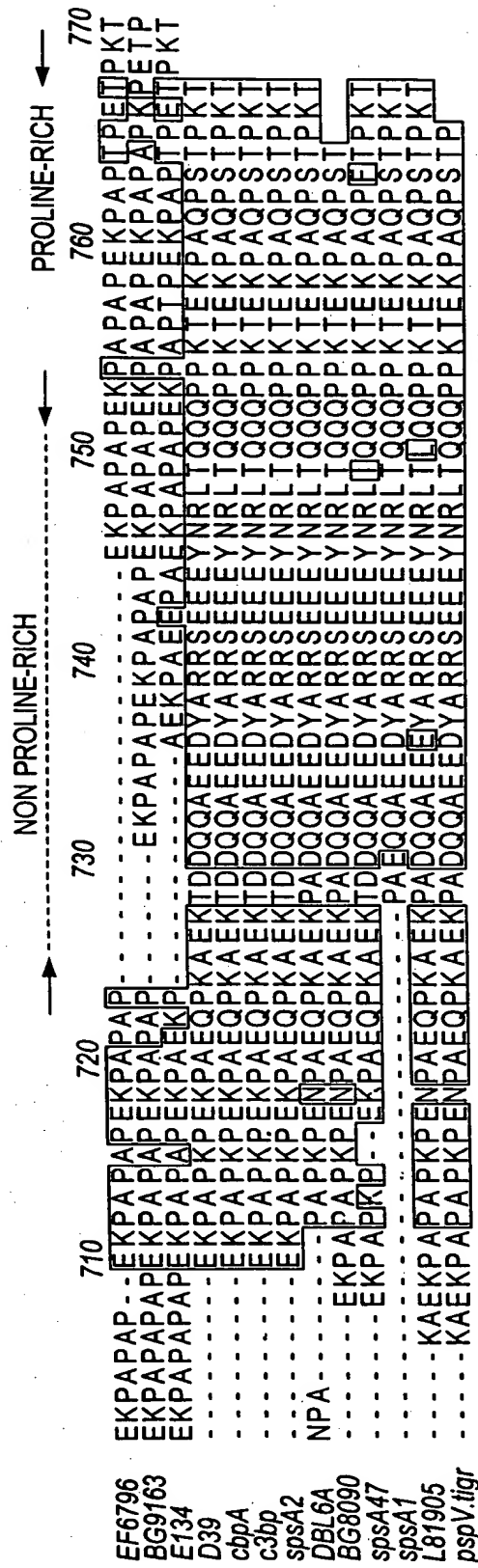
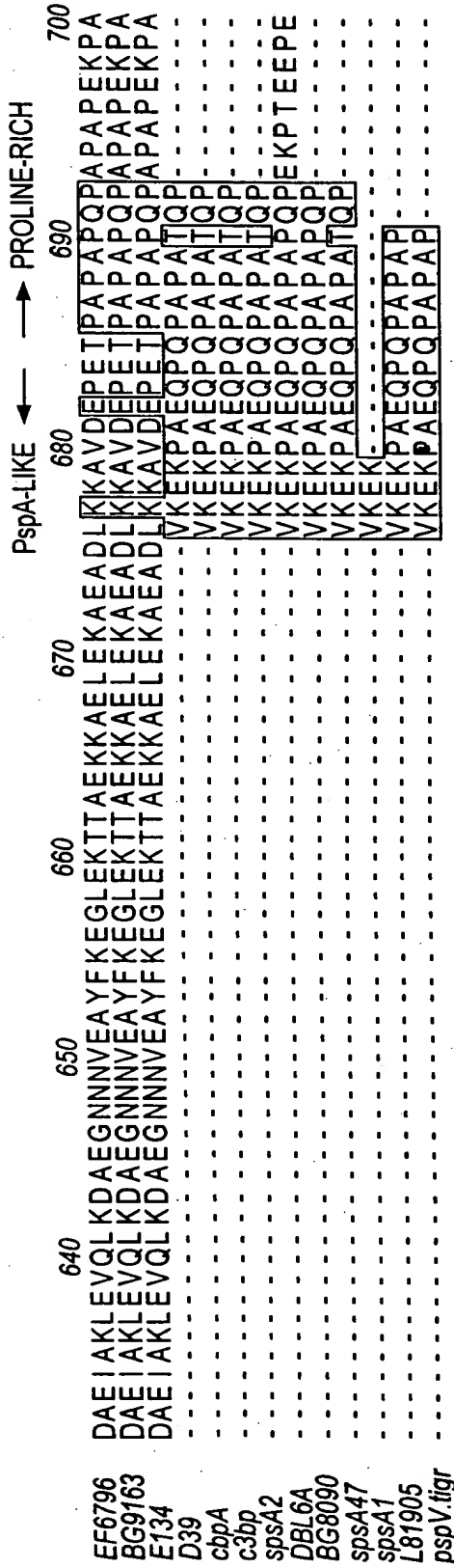


FIG.2D